

FIG.1

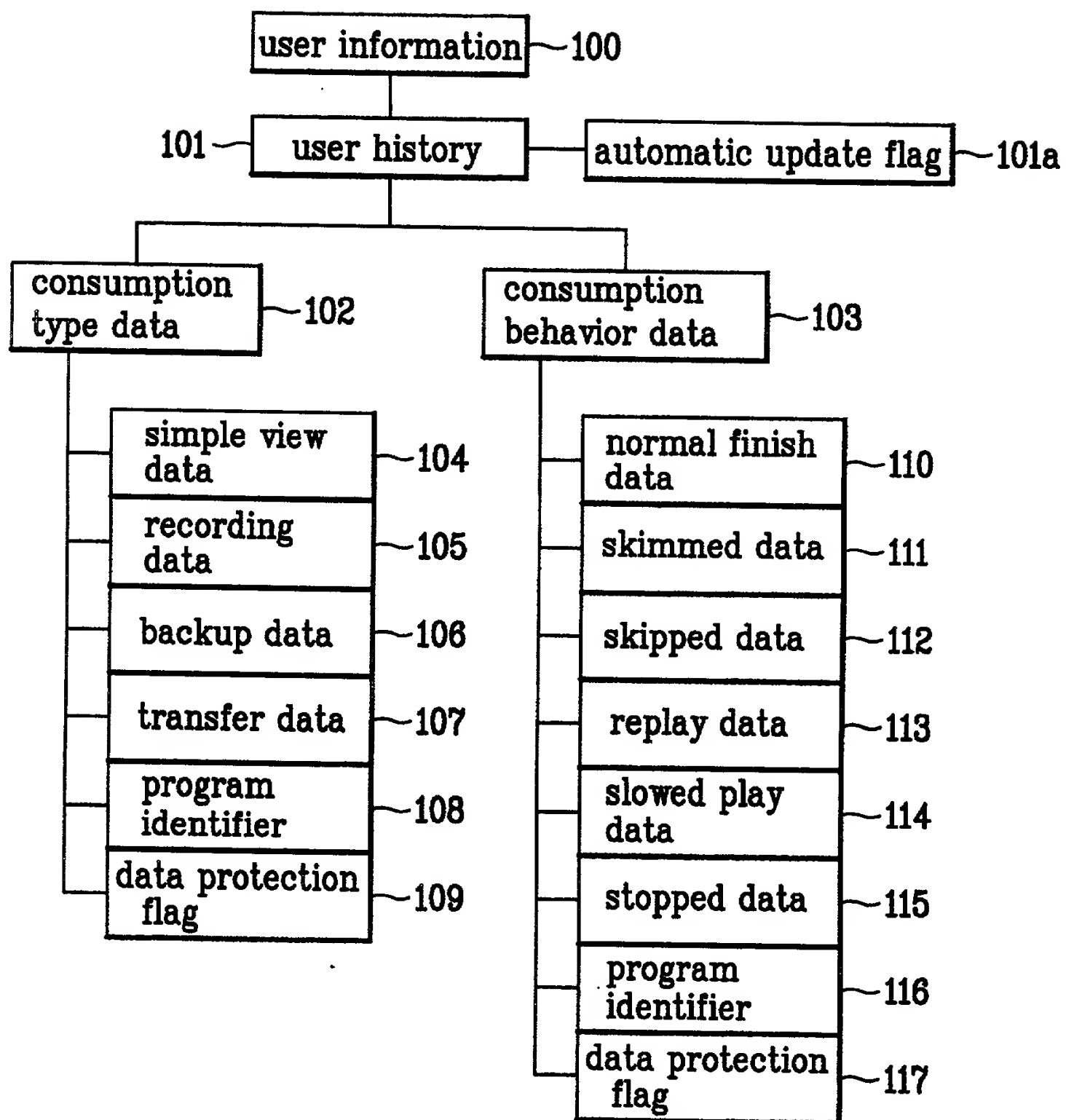


FIG. 2

simple view data=(end time) or (start time)

recording data=(recording time, recording format)

backup data=(backup time, storage format)

transfer data=(transfer time, transfer format)

normal finish data=(0 or 1)

skimmed data=(start of section, end of section) or (start of
section, length of section)

skipped data=(start of section, end of section) or (start of
section, length of section)

replay data=(start of section, end of section) or (start of
section, length of section)

slowed play data=(start of section, end of section) or (start of
section, length of section)

stopped data=(stop position identifier)

FIG. 3

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<complexType name="RecordOrTransferHistory">
  <element name="ActionTime" type="mds:TimePoint"
    minOccurs="0"/>
  <element name="ActionFormat" type="mds:MediaFormat"
    minOccurs="0"/>
</complexType>

<complexType name="ConsumptionType">
  <element name="SimplyPlayed" type="mds:TimePoint"
    minOccurs="0" maxOccurs="unbounded"/>
  <element name="Recorded" type="mds:RecordOrTransferHistory"
    minOccurs="0" maxOccurs="unbounded"/>
  <element name="Backedup" type="mds:RecordOrTransferHistory"
    minOccurs="0" maxOccurs="unbounded"/>
  <element name="Transferred" type="mds:RecordOrTransferHistory"
    minOccurs="0" maxOccurs="unbounded"/>
  <element name="ReferenceToProgram" type="mds:ReferenceToProgram"
    minOccurs="1"/>
  <attribute name="protection" type="Boolean" use="default"
    value="true"/>
</complexType>

<complexType name="ConsumptionBehavior">
  <element name="NormalFinish" type="xml:boolean" minOccurs="0"/>
  <element name="Skimmed" type="mds:MediaTime"
    minOccurs="0" maxOccurs="unbounded"/>
  <element name="Skipped" type="mds:MediaTime"
    minOccurs="0" maxOccurs="unbounded"/>
  <element name="slowed" type="mds:MediaTime"
    minOccurs="0" maxOccurs="unbounded"/>
  <element name="Replayed" type="mds:MediaTime"
    minOccurs="0" maxOccurs="unbounded"/>
  <element name="Stopped" type="mds:MediaTimePoint"
    minOccurs="0"/>
  <element name="ReferenceToProgram" type="mds:ReferenceToProgram"
    minOccurs="1"/>
  <attribute name="protection" type="Boolean" use="default"
    value="true"/>
</complexType>

<complexType name="UsageHistory">
  <element name="ConsumptionType" type="mds:ConsumptionType"
    minOccurs="0" maxOccurs="unbounded"/>
  <element name="ConsumptionBehavior" type="mds:ConsumptionBehavior"
    minOccurs="0" maxOccurs="unbounded"/>
  <attribute name="allowAutomaticUpdate" type="boolean"
    use="default" value="true"/>
</complexType>

```

FIG. 4

